



STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION

JOHN ELIAS BALDACCI
GOVERNOR

DAVID P. LITTELL
COMMISSIONER

Owen J. Folsom, Inc.
Penobscot County
Alton, Maine
A-617-71-L-A (SM)

Departmental
Findings of Fact and Order
Air Emission License
Amendment #1

After review of the air emission license application, staff investigation reports, and other documents in the applicant's file in the Bureau of Air Quality, pursuant to 38 M.R.S.A., Section 344 and Section 590, the Department finds the following facts:

I. REGISTRATION

A. Introduction

Owen J. Folsom Inc. (Folsom), located in Alton, Maine was issued Air Emission License A-617-71-K-R/A, on September 7, 2006, permitting the operation of their concrete batch plant and their crushed stone and gravel facility.

Folsom has requested that an additional concrete batch plant with 2 cement silos be added to their license.

B. Emission Equipment

Concrete Plant

Process Rate		
<u>Equipment</u>	<u>(cubic yards/hour)</u>	<u>Control Devices</u>
Concrete Batch Plant #2	150	Baghouses

C. Application Classification

The modification of a minor source is considered a major modification based on whether or not expected emission increases exceed the "Significant Emission Levels" as defined in the Department's regulations. Therefore, the license is considered to be a minor modification, and has been processed as such.

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II. BEST PRACTICAL TREATMENT

A. Introduction

In order to receive a license the applicant must control emissions from each unit to a level considered by the Department to represent Best Practical Treatment (BPT), as defined in 06-096 CMR 100 of the Department regulations. Separate control requirement categories exist for new and existing equipment as well as for those sources located in designated non-attainment areas.

BPT for new sources and modifications requires a demonstration that emissions are receiving Best Available Control Technology (BACT), as defined in 06-096 CMR 100 of the Air Regulations. BACT is a top-down approach to selecting air emission controls considering economic, environmental and energy impacts.

B. Concrete Batch Plant #2

Folsom has installed a new concrete batch plant and 2 silos with baghouses.

To meet the requirements of BACT for control of particulate matter (PM) emissions from the cement silos, particulate emissions shall be vented through baghouses maintained for 99% removal efficiency. Visible emissions from the cement silo baghouses is limited to no greater than 10% opacity on a six (6) minute block average basis except for no more than one (1) six (6) minute block average in a 1-hour period. The facility shall take corrective action if visible emissions from the baghouses exceed 5% opacity.

All components of the concrete batch plant shall be maintained so as to prevent PM leaks. Visible emissions from concrete batching operations shall not exceed 20% opacity on a six (6) minute block average basis except for no more than one (1) six (6) minute block average in a 1-hour period.

III. AMBIENT AIR QUALITY ANALYSIS

According to the 06-096 CMR 115, the level of air quality analyses required for a renewal source shall be determined on a case-by-case basis. Based on the total facility emissions, Folsom is below the emissions level required for modeling and monitoring.

ORDER

Based on the above Findings and subject to conditions listed below the Department concludes that the emissions from this source:

- will receive Best Practical Treatment,
- will not violate applicable emission standards,
- will not violate applicable ambient air quality standards in conjunction with emissions from other sources.

The Department hereby grants Air Emission License A-617-71-L-A subject to the following conditions.

Severability. The invalidity or unenforceability of any provision, or part thereof, of this License shall not affect the remainder of the provision or any other provisions. This License shall be construed and enforced in all respects as if such invalid or unenforceable provision or part thereof had been omitted.

SPECIFIC CONDITIONS

The following shall replace Specific Condition 16 in Air Emission License A-617-71-K-R/A.

(16) Concrete Batch Plants #1 and #2

- A. Particulate emissions from the cement silos shall be vented through baghouses and all components of the batch plant shall be maintained so as to prevent PM leaks. [06-096 CMR 115, BPT, BACT]
- B. To document maintenance of the cement silo baghouses, the licensee shall keep a maintenance log recording the date and location of all bag failures as well as all routine maintenance. The maintenance log shall be kept on-site at the concrete batch plant location. [06-096 CMR 115, BPT, BACT]
- C. Opacity from the cement silo baghouses is limited to no greater than 10% on a 6 minute block average basis, except for no more than one (1) six (6) minute block average in a 1-hour period. Folsom shall take corrective action if visible emissions from the baghouse exceed 5% opacity. [06-096 CMR 101]
- D. PM emissions from Concrete Batch Plants #1 and #2 shall be controlled so as to prevent visible emissions in excess of 20% opacity on a six (6) minute block average basis, except for no more than one (1) six (6) minute block average in a 1-hour period. [06-096 CMR 101]

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A-617-71-L-A (S/M)

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The following are new conditions:

- (26) Folsom shall keep a copy of this Order on site, and have the operator(s) be familiar with the terms of this Order. [06-096 CMR 115, BPT]
- (27) Folsom shall notify the Department within 48 hours and submit a report to the Department on a quarterly basis if a malfunction or breakdown in any component causes a violation of any emission standard [38 MRSA §605-C].

DONE AND DATED IN AUGUSTA, MAINE THIS 30th DAY OF March 2010.

DEPARTMENT OF ENVIRONMENTAL PROTECTION

BY: James P. Brophy
DAVID P. LITTELL, COMMISSIONER

The term of this amendment shall be concurrent with the term of Air Emission License A-617.

PLEASE NOTE ATTACHED SHEET FOR GUIDANCE ON APPEAL PROCEDURES

Date of initial receipt of application: 1/20/2010

Date of application acceptance: 1/25/2010

Date filed with the Board of Environmental Protection: _____

This Order prepared by Jonathan Voisine, Bureau of Air Quality.

